

Title (en)  
Hydraulic force-multiplying actuator

Title (de)  
Hydraulischer Druckverstärker

Title (fr)  
Multiplicateur de pression hydraulique

Publication  
**EP 1273805 B1 20040929 (EN)**

Application  
**EP 01124741 A 20011017**

Priority  
IT TO20010648 A 20010705

Abstract (en)  
[origin: EP1273805A2] An hydraulic force-multiplying actuator is disclosed comprising adjustable pneumatic reaction means (60) adapted to exert a constant reaction pressure and to perform a constant-force stroke, and supplied by compressed-air supplying ducts (52); the actuator further comprises a shoulder (50) for the oil in the working area, and at least one element (11) adapted to prevent the pad of the reaction means (60) from rotating. <IMAGE>

IPC 1-7  
**F15B 11/032**

IPC 8 full level  
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CPC (source: EP)  
**F15B 11/0325** (2013.01); **F15B 15/088** (2013.01); **F15B 2015/1495** (2013.01); **F15B 2211/216** (2013.01); **F15B 2211/76** (2013.01)

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**EP 1273805 A2 20030108**; **EP 1273805 A3 20030409**; **EP 1273805 B1 20040929**; AT E278111 T1 20041015; DE 60106001 D1 20041104; DE 60106001 T2 20051103; ES 2228725 T3 20050416; IT TO20010648 A1 20011005

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